714
18, 48, 52
798, 799
723

352
area

8/27/01

370/230, 252
242

L6 6.049 889

Amendments to the Claims

1.   (Currently Amended)   A method for the precise reporting of errors in
2   a flow of successive messages, the method comprising:

detecting a transmission error in a message in the flow; ~~and~~
4   setting a deferred error flag in a state for the flow;

saving a sequence number in the state for the flow, for the message having
6   the transmission error; and

processing the transmission error upon receiving an acknowledgement
8   pertinent to an immediately preceding message.

2.   Cancelled

3.   Cancelled

4.   (Currently Amended)   The method of claim 4 [[3]], wherein processing
2   the transmission error upon receiving an acknowledgement pertinent to an
immediately preceding message comprises reporting the transmission error.

5.   (Currently Amended)   The method of claim 4 [[3]], wherein processing
2   the transmission error upon receiving an acknowledgement pertinent to an
immediately preceding message comprises reporting the immediately preceding
4   message as a remote error.

6.   (Original)   The method of claim 4, wherein the acknowledgement is
2   positive.

7.   (Original)   The method of claim 5, wherein the acknowledgement is
2   negative.

Suppress transmission
after error

2

8.   (Currently Amended)   A state machine for tracking the status of a flow

2   of successive messages from a requestor, comprising:

a deferred error flag; and

4   a deferred error sequence number;

wherein when the requester detects a transmission error in a message:

6   the deferred error flag is set; and

the deferred error sequence number is saved; and

8   wherein the deferred error flag is cleared when the requester receives a

positive acknowledgement for a preceding message.

same as 1

9.   Cancelled

10.   Cancelled

11.   (Currently Amended)   A method for the precise reporting of errors in

2   a flow, the flow including a first message and a second message, each message

including at least one packet, the method comprising:

4   transmitting the first message;
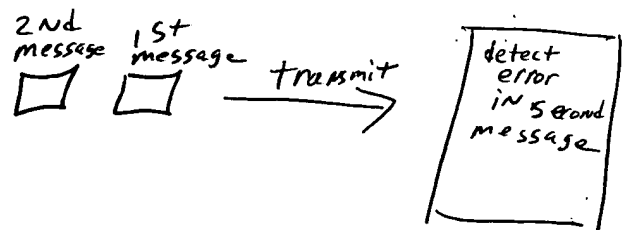
detecting a transmission error in the second message;

6   deferring the reporting of the transmission error in the second

message[[.]]; and

same as 1

8   processing the transmission error in the second message upon receiving an

acknowledgement pertinent to the first message;

10   wherein[[,]] the deferring includes writing a record of the transmission

error in the second message to a state saved for the flow.

12.   Cancelled

2nd message 1st message transmit

detect error in second message

3 process error in 2nd message after receiving error acknowledge

of 1st message

13. (Currently Amended) The method of claim ~~11~~ 12, wherein writing a
2 record of the transmission error in the second message to a state saved for the
flow comprises:
4 saving a sequence number of the packet in the state; and
setting a deferred error flag in the state.

14. (Currently Amended) The method of claim ~~11~~ 12, wherein processing
2 the transmission error in the second message upon receiving an
acknowledgement pertinent to the first message comprises reporting the
4 transmission error.

15. (Currently Amended) The method of claim ~~11~~ 12, wherein processing
2 the transmission error in the second message upon receiving an
acknowledgement pertinent to the first message comprises reporting the first
4 message as a remote error.

16. (Original) The method of claim 14, wherein the acknowledgement is
2 positive.

17. (Original) The method of claim 15, wherein the acknowledgement is
2 negative.

18. (Original) A method for reporting errors in a flow of successive
2 messages comprising:
detecting a transmission error in a message in the flow;
4 deferring reporting of the transmission error; and
reporting the transmission error upon receiving a positive
6 acknowledgement that completes a message in the flow that immediately
precedes the message having the transmission error.

same as 1

19.　(Original)　The method of claim 18, wherein deferring reporting of the

2　transmission error comprises:

saving a sequence number for the message causing the transmission error

4　in a state; and

setting a deferred error flag in the state.

20.　(New)　The state machine of claim 8, wherein if a retransmission

2　acknowledgement is received, the deferred error flag remains set during

retransmission.

21.　(New)　The state machine of claim 8, wherein if a negative

2　acknowledgement is received, the transmission error is ignored.